

Catalog	Unit
TBI2606-5MG	5 mg
TBI2606-25MG	25 mg

Product Details

Formal Name: 4,4'-[(1S)-1-Methyl-1,2-ethanediyl]bis-2,6-piperazinedione

Alternate Names: ICRF-187; NSC169780

Molecular Formula: C₁₁H₁₆N₄O₄

Formula Weight: 268.3

CAS Number: 24584-09-6

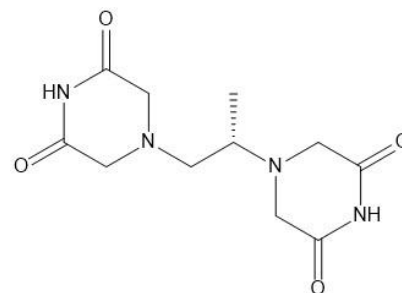
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 60 mg/ml)

Storage: RT

Stability: 2 years



Applications

Iron chelator: Cardioprotective agent

Functions

Iron chelator that has been used as a cardioprotective agent employed during chemotherapy with anthraquinone drugs such as daunorubicin or doxorubicin. More recently it has been shown to inhibit ferroptosis. It inhibited ferroptosis in a cyclophosphamide-induced cystitis model as well as in doxorubicin-induced cardiomyopathy.

Application Procedures

First dissolved in DMSO (60 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.